Refine Search

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Terms	Documents
(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	14

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Search:

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L1
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Refine Search

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L1	(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	14	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	59

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Search:

> L1

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	DB=PGPB,USPT,USOC; PLUR=YES; OP=OR		
L1	(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	59	L1

END OF SEARCH HISTORY

Refine Search

Search Results –

Terms	Documents
(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	11

Database:

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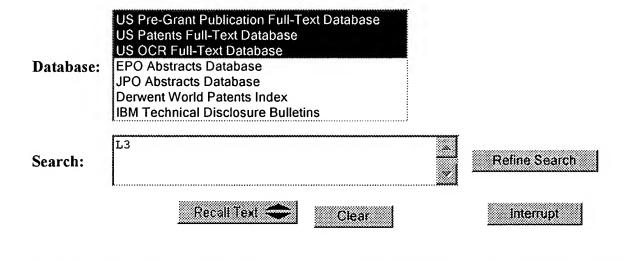
Search: L2

Refine Search

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Search History

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Set Name side by side	Query	Hit Count	Set Name result set
DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L2	(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	11	L2
DB=PGPB,USPT,USOC; PLUR=YES; OP=OR			
L1	(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	59	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(370/461 |370/462 |710/110 |710/113 |710/40 |710/107 |710/305 |710/244 |710/36 |710/58 |710/112 |710/48 |711/147 |711/100 |340/825.5 |340/825.51).ccls.	9646

Database:

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Search: L3

[Refine Search]

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Search History

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Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC; PLUR=YES; OP=OR		
L3	710/110,113,40,107,305,244,36,40,58,112,48;370/461,462;340/825.5,825.51;711/147,100.ccls.	9646	L3
	DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L2	(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	11	L2
	DB=PGPB,USPT,USOC; PLUR=YES; OP=OR		
L1	(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	59	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L1 and L3	37

Database:

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Search:

L4

[Refine Search]

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Search History

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	DB=PGPB,USPT,USOC; PLUR=YES; OP=OR		
L4	l1 and L3	37	L4
L3	710/110,113,40,107,305,244,36,40,58,112,48;370/461,462;340/825.5,825.51;711/147,100.ccls.	9646	L3
	DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L2	(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	11	L2
	DB=PGPB,USPT,USOC; PLUR=YES; OP=OR		
L1	(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	59	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L1 and L2	1

Database:
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US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
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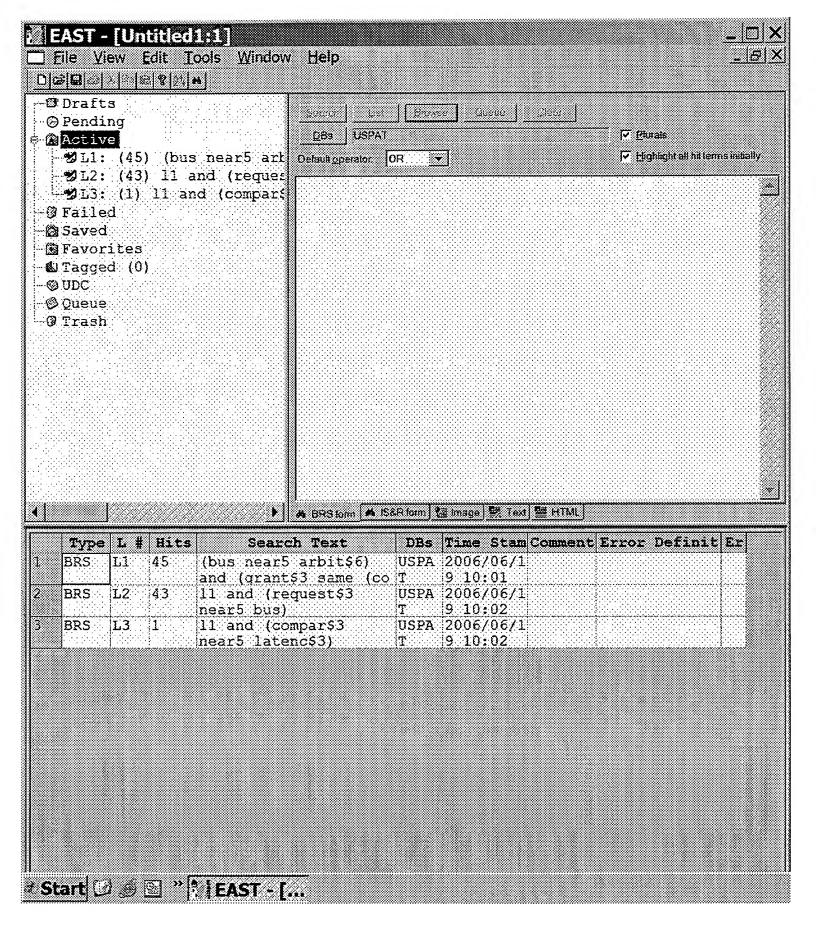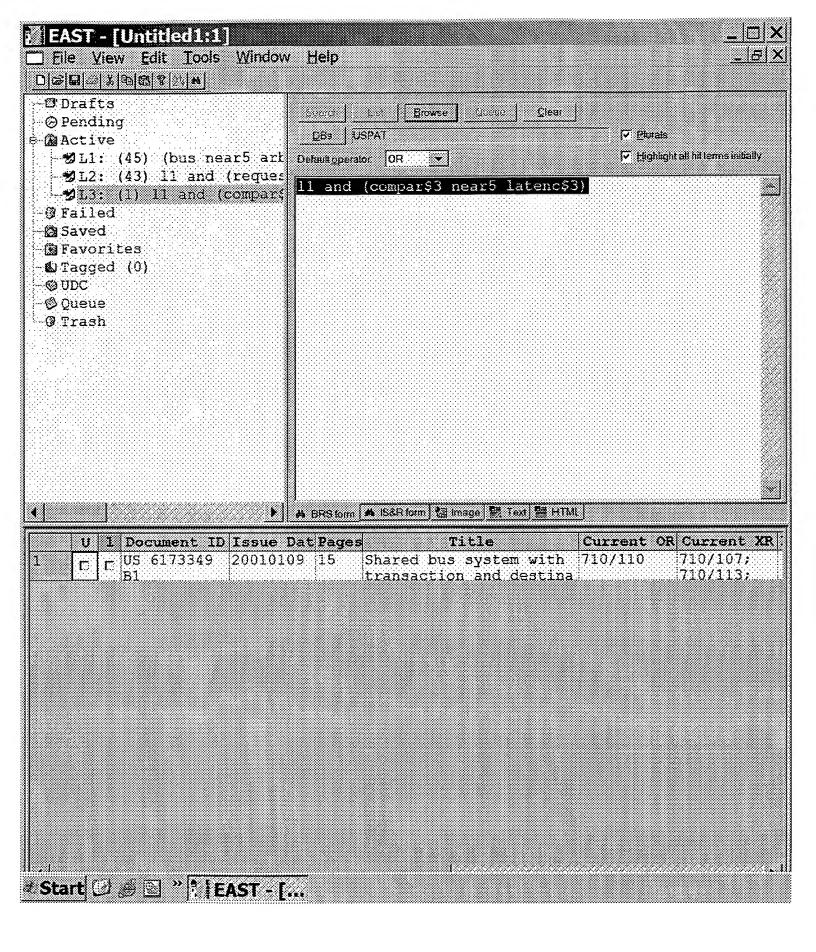
Search:
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L3
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[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: Monday, June 19, 2006   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC; PLUR=YES; OP=OR			
L3	11 and L2	1	L3
L2	(bus near5 arbit$6) and (grant$3 same (concurrent$2 or simultaneous$2) same latenc$3)	59	L2
L1	710/111.ccls.	112	L1

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- Drafts
- Pending
- **Active**
  - L1: (45) (bus near5 arb
  - L2: (43) l1 and (reques
  - L3: (1) l1 and (compar$
- Failed
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DBs | USPAT

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2	BRS	L2	43	l1 and (request$3 near5 bus)	USPA T	2006/06/1 9 10:02			
3	BRS	L3	1	l1 and (compar$3 near5 latenc$3)	USPA T	2006/06/1 9 10:02			

Start | EAST - [...

File   View   Edit   Tools   Window   Help

- Drafts
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  - L1: (45) (bus near5 arb
  - L2: (43) l1 and (reques
  - L3: (1) l1 and (compar
- Failed
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DBs   USPAT

Default operator   OR

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BRS form   IS&R form   Image   Text   HTML

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1	☐	☐	US 6173349 B1	20010109	15	Shared bus system with transaction and destina	710/110	710/107; 710/113;

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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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Ordered arbiters

Bystrov, A.   Yakovlev, A.
Dept. of Comput. Sci., Newcastle upon Tyne Univ., UK

Abstract
The granting of requests in the order of their arrival is not satisfied in existing l/n arbiters, such as token rings, tree arbiters and networks of two-way arbiters. The proposed solution stores pending grants in a FIFO, thus maximally preserving the request order, improves fairness and offers lower metastability rate.

Index Terms
Inspec

Controlled Indexing
network interfaces

Non-controlled Indexing
FIFO storage asynchronous systems metastability rate reduction ordered arbiters pending grants storage request order preservation

Author Keywords
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